

WHAT IS CLAIMED IS:

1. A tremble correction camera comprising:
 - a camera body;
 - a taking lens attachable/detachable to/from the camera body; and
 - a tremble correction optical system located near a dismounting/mounting member of the camera body in which the taking lens is mounted.
2. A tremble correction camera according to Claim 1, wherein the location near the dismounting/mounting member in which the taking lens is mounted exists within the camera body between the taking lens dismounting/mounting member and a main mirror.
3. A tremble correction camera according to Claim 1, further comprising a driver for driving the tremble correction optical system.
4. A tremble correction camera according to Claim 3, wherein the driver is located above the tremble correction optical system within the camera body.
5. A tremble correction camera according to Claim 3,

wherein the driver is located at a position opposite to the position of a grip portion of the camera body.

6. A tremble correction camera according to Claim 1, wherein the tremble correction optical system includes optical members, and the optical members are included in order to correct a tremble by inclination of the optical member.

7. A tremble correction camera according to Claim 6, wherein when the taking lens is attached to the camera body, the optical members are inclined to such an extent that they will not touch an opening of the taking lens.

8. A tremble correction camera according to Claim 6, wherein the optical members are inclined to such an extent that they will not extend beyond the taking lens mounting/dismounting member within the camera body.

9. A tremble correction camera according to Claim 6, wherein the optical members are inclined to such an extent that they will not collide with the main mirror.

10. A tremble correction camera according to Claim 6, wherein the optical members are inclined to such an extent

that they will not touch a cap with which the taking lens mounting/dismounting member is capped.

11. A tremble correction camera according to Claim 6, wherein the optical members are paralleled glass plates that exhibit no power.

12. A tremble correction camera comprising:
a camera body;
a light path changing unit for changing a path of light that represents a pickup image through a taking optical system; and
a tremble correction optical system located in front of the light path changing unit within the camera body.

13. A tremble correction camera comprising:
a camera body having a main mirror and a mount in or from which a taking lens can be mounted or dismounted;
a tremble correction optical system interposed between the main mirror and the mount, composed of optical members, and moved in order to correct a tremble;
a driver for driving the tremble correction optical system;
a first control unit incorporated in the camera body and controlling photography;

DOCUMENT RESTRICTED

a second control unit incorporated in the camera body and controlling the driver;

a first detector for detecting whether the taking lens is attached to the camera body; and

a second detector for detecting whether a tremble correction mode in which the tremble correction optical system is used to correct a tremble is set.

14. A tremble correction camera according to Claim 13, wherein when the first detector detects that the taking lens has been attached and the second detector detects that the tremble correction mode has been set, the first control unit requests the second control unit to communicate whether the tremble correction optical system is moved within a predetermined space.

15. A tremble correction camera according to Claim 14, wherein when the fact that the tremble correction optical system is moved within the predetermined space is communicated from the second control unit to the first control unit, the first control unit performs control so that the main mirror will pivot upwards or downwards.

16. A tremble correction camera according to Claim 15, wherein after the first control unit performs control so

that the main mirror will pivot upwards, the first control unit communicates with the second control unit so as to start moving the tremble correction by the tremble correction optical system using the driver for the purpose of tremble correction.

17. A tremble correction camera according to Claim 15, wherein after the first control unit performs control so that the main mirror will pivot downwards, the first control unit communicates with the second control unit so as to stop performing the tremble correction by the tremble optical system using the driver for the purpose of tremble correction.

18. A tremble correction camera comprising:
a detector for detecting a tremble of the camera;
a correction optical system interposed between a mount, in or from which a taking lens can be mounted or dismounted, and a main mirror, and moved in order to correct a tremble according to the tremble detected by the detector;
a judging unit for judging whether a focal length exhibited by the taking lens falls within a predetermined range; and
a corrective movement restricting unit for restricting the corrective movement of the tremble correction optical

system according to the result of judgment made by the judging unit.

19. A tremble correction camera according to Claim 18, wherein when the judging unit judges that the focal length falls outside the predetermined range, the corrective movement restricting unit restricts the corrective movement of the tremble correction optical system.

20. A tremble correction camera according to Claim 18, wherein when the judging unit judges that the focal length falls within the predetermined range, the corrective movement restricting unit does not restrict the corrective movement of the tremble correction optical system.

21. A tremble correction camera according to Claim 19, further comprising a warning unit that when the judging unit judges that the focal length falls outside the predetermined range, gives a warning indicating that tremble correction cannot be carried out.

22. A tremble correction camera comprising:
a detector for detecting a tremble of the camera;
a correction optical system interposed between a mount, in or from which a taking lens can be mounted or dismounted,

and a main mirror, and moved in order to correct a tremble according to the tremble detected by the detector; and

a corrective movement restricting unit for restricting the corrective movement of the tremble correction optical system according to a focal length exhibited by the taking lens.

23. A tremble correction camera comprising:

a camera body having a main mirror and a mount in or from which a taking lens can be mounted or dismounted;

a tremble correction optical system interposed between the main mirror and the mount, composed of optical members, and moved in order to correct a tremble;

a driver for driving the tremble correction optical system;

a first controller including a first judging unit that judges whether a focal length exhibited by the taking lens falls within a predetermined range, and controlling photography; and

a second controller including a second judging unit that judges whether a focal length exhibited by the taking lens falls within a predetermined range, and controlling tremble correction.

24. A tremble correction camera according to Claim 23,

further comprising a warning unit that when the first judging unit judges that a focal length exhibited by the taking lens falls outside the predetermined range, gives a warning.

25. A tremble correction camera according to Claim 23, wherein when the second judging unit judges that the focal length falls outside the predetermined range, the second control unit restricts the tremble corrective movement of the tremble correction optical system.

26. A tremble correction camera comprising:
a detector for detecting a tremble of the camera;
a tremble correction optical system interposed between a mount, in or from which a taking lens can be mounted or dismounted, and a main mirror, and moved in order to correct a tremble according to the tremble detected by the detector;
a lens change switch to be used to dismount the taking lens from the mount;
a detector for detecting whether the taking lens is mounted in the mount; and
a movement control unit for controlling the movement of the tremble correction optical system according to a change in the state of either the lens mounting detector or the lens change switch.

27. A tremble correction camera according to Claim 26, further comprising a setting unit that sets as a photography mode a tremble correction mode in which the tremble correction optical system is used to correct a tremble, wherein when the setting unit sets the tremble correction mode and the lens change switch is manipulated, the movement control unit restricts the movement of the tremble correction optical system.

28. A tremble correction camera according to Claim 27, wherein the movement control unit restricts the movement of the tremble correction optical system by centering and locking the tremble correction optical system.

29. A tremble correction camera according to Claim 28, wherein after the movement control unit controls the movement of the tremble correction optical system, the tremble correction mode set by the setting unit is canceled.

30. A tremble correction camera according to Claim 26, further comprising a setting unit that sets as a photography mode a tremble correction mode in which the tremble correction optical system is used to correct a tremble, wherein when the setting unit sets the tremble correction

mode and the detector detects that the taking lens has been mounted on the mount, the movement control unit restricts the movement of the tremble correction optical system.

31. A tremble correction camera according to Claim 30, wherein the movement control unit restricts the movement of the tremble correction optical system by centering and locking the tremble correction optical system.

32. A tremble correction camera comprising:
a detector for detecting a tremble of the camera;
a tremble correction optical system interposed between a mount, in or from which a taking lens can be mounted or dismounted, and a main mirror, and moved in order to correct a tremble according to the tremble detected by the detector;
a driver for driving the main mirror; and
a movement control unit for when the driver drives the main mirror, controlling the movement of the tremble correction optical system.

33. A tremble correction camera according to Claim 32, wherein the driver drives the main mirror so that the main mirror will pivot upwards for the purpose of projecting a pickup image on film or will pivot downwards for the purpose of intercepting a pickup image to be projected on film.

34. A tremble correction camera according to Claim 33, wherein after the main mirror pivots upwards, the movement control unit moves the tremble correction optical system within a predetermined range for the purpose of tremble correction.

35. A tremble correction camera according to Claim 32, wherein after the movement control unit controls the movement of the tremble correction optical system, the movement control unit cancels the restrictions.